

**PATENT APPLICATION**

**RESPONSE UNDER 37 CFR §1.116  
EXPEDITED PROCEDURE  
TECHNOLOGY CENTER ART UNIT 3748**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Takamitsu ASANUMA et al.

Application No.: 09/904,875

Filed: July 16, 2001

For: **DEVICE FOR PURIFYING THE EXHAUST GAS OF AN INTERNAL  
COMBUSTION ENGINE**

Group Art Unit: 3748

Examiner: T. Nguyen

Docket No.: 110108

**AMENDMENT AFTER FINAL REJECTION UNDER 37 CFR §1.116**

Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

In reply to the September 24, 2002, Final Rejection, please amend the above-identified application as follows:

**IN THE CLAIMS:**

Please replace claims 3 and 4 as follows:

3. (Amended) A device for purifying the exhaust gas of an internal combustion engine, comprising:

C1 a particulate filter arranged in the exhaust system, which carries a catalyst for absorbing and reducing NO<sub>x</sub>, said catalyst absorbing NO<sub>x</sub> when the air-fuel ratio in the surrounding atmosphere thereof is lean and releasing the absorbed NO<sub>x</sub> to purify NO<sub>x</sub> by reduction when said air-fuel ratio is stoichiometric or rich;

a catalytic apparatus for purifying NO<sub>x</sub> arranged in the exhaust system upstream of said particulate filter, which carries said catalyst for absorbing and reducing NO<sub>x</sub>; and

#14/C  
12/19/02  
Approved for Entry  
12/27/02  
TMN  
12/30/02

PATENT APPLICATION

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Attorney Docket No.: 110108

AMENDMENT TRANSMITTAL

In re the Application of

Takamitsu ASANUMA et al.

Group Art Unit: 3748

Application No.: 09/904,875

Examiner: T. Nguyen

Filed: July 16, 2001

For: DEVICE FOR PURIFYING THE EXHAUST GAS OF AN INTERNAL  
COMBUSTION ENGINE

Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

Transmitted herewith is an Amendment in the above-identified application.

- ☐ Entitlement to small entity status is hereby asserted.  
☐ Small entity status of this application has been established.

The filing fee has been calculated as shown below:

	(Column 1)	(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA
TOTAL CLAIMS	*8 MINUS	**20	=0
INDEP CLAIMS	*4 MINUS	***3	=1
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM			

SMALL ENTITY	
RATE	ADD'L FEE
x 9	\$
x 42	\$
+140	\$
	\$

OTHER THAN A SMALL ENTITY	
RATE	ADD'L FEE
x 18	\$
x 84	\$ 84
+280	\$
	\$ 84

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- \* If the entry in Column 1 is less than the entry in Column 2, write "0" in Column 3.  
\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.  
\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

The "Highest Number Previously Paid For" in this space (Total or Independent) is the highest number found from the equivalent box in Column 1 of a prior Amendment or the number of claims originally filed.

- ☒ Check No. 137383 in the amount of \$84.00 is attached. The Director is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

DEPOSIT ACCOUNT USE  
AUTHORIZATION  
Please grant any extension  
necessary for entry;  
Charge any fee due to our  
Deposit Account No. 15-0461

Respectfully submitted,

James A. Oloff  
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JAO:PT/ale

Date: December 18, 2002